Approved for use through 10/31/2002. OMB 0651-0032 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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## UTILITY **PATENT APPLICATION TRANSMITTAL**

| Attorney Docket No. |   | M1211/20010       |  |  |  |  |  |
|---------------------|---|-------------------|--|--|--|--|--|
| First Inventor      |   | Christian EVERS   |  |  |  |  |  |
| Title               | MICROWAVE SWITCHING WITH ILLUMINATED FIELD EFFECT_TRANSISTORS |                   |  |  |  |  |  |
|                     | 14 11 1 1 1 1   | FL 054 711 056 UC |  |  |  |  |  |

| APPLICATION ELEMENTS  See MPEP chapter 600 concerning utility patient application contents.  | (Only for new nonprovision   | nal applications under 37 CFR 1.53(b))  | Expres  | s Mail Label No.   E                     | L 954 | /11             | 856 US /                                |  |  |  |
|--|--|---|---|--|-------|-----------------|---|--|--|--|
| Sale MEPE chapter 600 concerning utility patent application contents.   Alexandra. No. 2213-1450   No. 2213-   | APPLICATION ELEMENTS   |   |   | ADDRESS TO: Mail Stop PATENT APPLICATION |       |                 |   |  |  |  |
| Computer Program (Appendix)   Comp   | See MPEP chapter 600 concerning utility patent application contents.   |   |   | P.O. Box 1450                            |       |                 |   |  |  |  |
| - Claim(s) - Abstract of the Disclosure  4.  | 1. Fee Transmittal F (Submit an original and a 2. Applicant claims s See 37 CFR 1.27 3. Specification (preferred arrangemen - Descriptive title - Cross Referenc - Statement Reg - Reference to se or a computer p - Background of - Brief Summary - Brief Descriptio  | 7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)  8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)  a. Computer Readable Form (CRF)  b. Specification Sequence Listing on:  i. CD-ROM or CD-R (2 copies); or  ii. paper  c. Statements verifying identity of above copies  ACCOMPANYING APPLICATION PARTS |   |  |       |                 |   |  |  |  |
| Abstract of the Disclosure  4.   | - Claim(s)   | •   | "   |  | •     |                 |   |  |  |  |
| 5. Oath or Declaration  a. Newly executed (original or copy) b. Copy from a prior application (37 CFR 1.63 (d)) c. Copy from a prior application (37 CFR 1.63 (d)) c. Copy from a prior application (37 CFR 1.63 (d)) c. Copy from a prior application (37 CFR 1.63 (d)) c. Copy from a prior application (37 CFR 1.63 (d)) c. Copy from a prior application (37 CFR 1.63 (d)) c. Copy from a prior application (37 CFR 1.63 (d)) c. Copy from a prior application (37 CFR 1.63 (d)) c. Copy from a prior application (37 CFR 1.63 (d)) c. Copy from a prior application (37 CFR 1.63 (d)) c. Copy from a prior application (37 CFR 1.63 (d)) c. Copy from a prior application (37 CFR 1.63 (d)) c. Copy from a prior application (37 CFR 1.63 (d)) c. Copy from a prior application (37 CFR 1.63 (d)) c. Copy from a prior application (37 CFR 1.63 (d)) c. Copy from a prior application (37 CFR 1.63 (d)) c. Copy from a prior application (37 CFR 1.63 (d)) c. Copy from a prior application (38 CPR 1.64 (d)) c. Copy from a prior application (38 CPR 1.64 (d)) c. Copy from a prior application (38 CPR 1.64 (d)) c. Copy from a prior application (48 CPR 1.64 (d)) c. Copy from a prior application (48 CPR 1.64 (d)) c. Copy from a prior application (48 CPR 1.64 (d)) c. Copy from a prior application (48 CPR 1.64 (d)) c. Copy from a prior application (48 CPR 1.64 (d)) c. Copy from a prior application (48 CPR 1.64 (d)) c. Copy from a prior application (48 CPR 1.64 (d)) c. Copy from a prior application (48 CPR 1.64 (d)) c. Copy from a prior application (48 CPR 1.64 (d)) c. Copy from a prior application (48 CPR 1.64 (d)) c. Copy from a prior application (48 CPR 1.64 (d)) c. Copy from a prior application (48 CPR 1.64 (d)) c. Copy from a prior application (48 CPR 1.64 (d)) c. Copy from a prior application (48 CPR 1.64 (d)) c. Copy from a prior application (48 CPR 1.64 (d)) c. Copy from a prior application (48 CPR 1.64 (d)) c. Copy from a prior application (48 CPR 1.64 (d)) c. Copy from a prior application (48 CPR 1.64 (d)) c. Copy from a prior application (48 CPR 1.64 ( | - Abstract of the  | Disclosure  | 10.   | 1101                                     |       |                 |   |  |  |  |
| 5. Oath or Declaration   | 4. Drawing(s) (35 U.S.C. 113) [ Total Sheets 3 ]   |   |   |  |       |                 |   |  |  |  |
| b. Copy from a prior application (37 CFR 1.63 (d))  i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).  6. Application Data Sheet. See 37 CFR 1.76  18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:  19. Continuation Divisional Continuation-in-part (CIP) of prior application No. From which an oath or declaration is supplied under Box 5b, its considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.  19. CORRESPONDENCE ADDRESS    V   Customer Number or Bar Code Label   O3000   Telephone   (215) 567-2010   Fax   215-751-1142     Name (Print/Type)   David M. Tener   Registration No. (Attorney/Agent)   37,054     Return Receipt Postcard (MPEP 503)   (Should be specifically itemized)   (Should be specifically itemize | 5. Oath or Declaration [ Total Pages ]   |   |   | 15 15 1                                  |       |                 |   |  |  |  |
| b.   (for continuation/divisional with Box 18 completed)   |  |   |   | 13. Preliminary Amendment (1 attachment) |       |                 |   |  |  |  |
| Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).  6. Application Data Sheet. See 37 CFR 1.76  18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:    Continuation   Divisional   Continuation-in-part (CIP)   of prior application No:   / Prior application information:   Examiner:   Group Art Unit:   For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.  19. CORRESPONDENCE ADDRESS    Customer Number or Bar Code Label   | b. Copy from a prior application (37 CFR 1.63 (d)) (for continuation/divisional with Box 18 completed)   |   |   |  |       |                 |   |  |  |  |
| Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Application must attach form PTO/SB/35 or its equivalent.  17.  Other:  18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:    Continuation   | ·  |   |   |  |       |                 |   |  |  |  |
| Application Data Sheet. See 37 CFR 1.76  17. Other:  18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:  Continuation Divisional Continuation-in-part (CIP) of prior application No:  Prior application information:  Examiner:  For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.  19. CORRESPONDENCE ADDRESS  Customer Number or Bar Code Label 03000  Name  Address  City State Zip Code  Country Telephone (215) 567-2010 Fax 215-751-1142  Name (Print/Type) David M. Tener Registration No. (Attorney/Agent) 37,054  | named in t   | 16.   | 16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 |  |       |                 |   |  |  |  |
| or in an Application Data Sheet under 37 CFR 1.76:  Continuation Divisional Continuation-in-part (CIP) of prior application No  Prior application information: Examiner: Group Art Unit:  For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.  19. CORRESPONDENCE ADDRESS   Customer Number or Bar Code Label (Insert Customer Cu    | 6. Application Data Sheet. See 37 CFR 1.76   |   |   | 17. Other:                               |       |                 |   |  |  |  |
| Address City Country  Telephone (215) 567-2010  Telephone (Print/Type)  David M. Tener  Registration No. (Attorney/Agent)  19. CORRESPONDENCE ADDRESS  or Correspondence address below Correspondence address below  2ip Code 215-751-1142  Registration No. (Attorney/Agent)  37,054  | Prior application information: Examiner: Group Art Unit:  For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. |   |   |  |       |                 |   |  |  |  |
| Customer Number or Bar Code Label 03000  Name  Address City Country  Telephone (215) 567-2010  Fax 215-751-1142  Name (Print/Type)  David M. Tener  Registration No. (Attorney/Agent)  37,054  |  |   |   |  |       |                 |   |  |  |  |
| Address         State         Zip Code           Country         Telephone         (215) 567-2010         Fax         215-751-1142           Name (Print/Type)         David M. Tener         Registration No. (Attorney/Agent)         37,054   | Customer Number or Bar Code Label or Correspondence address below  |   |   |  |       |                 |   |  |  |  |
| City         State         Zip Code           Country         Telephone         (215) 567-2010         Fax         215-751-1142           Name (Print/Type)         David M. Tener         Registration No. (Attorney/Agent)         37,054  | Name   |   |   |  |       |                 | - · · · · · · · · · · · · · · · · · · · |  |  |  |
| City         State         Zip Code           Country         Telephone         (215) 567-2010         Fax         215-751-1142           Name (Print/Type)         David M. Tener         Registration No. (Attorney/Agent)         37,054  |  |   |   | - Transition                             |       |                 |   |  |  |  |
| City         State         Zip Code           Country         Telephone         (215) 567-2010         Fax         215-751-1142           Name (Print/Type)         David M. Tener         Registration No. (Attorney/Agent)         37,054  | Address  |   |   | · · · · · · · · · · · · · · · · · · ·    |       |                 |   |  |  |  |
| Name (Print/Type) David M. Tener Registration No. (Attorney/Agent) 37,054  |  |   | State   |  | Zip ( | Code            |   |  |  |  |
| Name (Print/Type) David M. Tener Registration No. (Attorney/Agent) 37,054  | Country  | Telep   | hone  | (215) 567-2010                           | Fa    | эх              | 215-751-1142                            |  |  |  |
| Signature   January   Date   06/24/2003  | Name (Print/Type) David M. Tener   |   | Reg   | Registration No. (Attorney/Agent) 37,    |       |                 | 37,054                                  |  |  |  |
|  | Signature  | Dellez  |   | ·  | Date  | Date 06/24/2003 |   |  |  |  |

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Alexandria, VA 22313-1450.

I hereby certify that the above-identified documents are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 with the Express Mail No. and the date indicated above and are addressed to Mail Stop PATENT APPLICATION, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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| FEE TRANSMITT  | 1 /           | <u> </u>                             |                            |           |  |  |  |  |  |
|  | \ <u></u>     | Application (valide)                 |                            | nber      |  |  |  |  |  |
| for FY 2003  |               | Filing Date June 24, 2003            |                            |           | June 24, 2003  |  |  |  |  |
| Effective 01/01/2003. Patent fees are subject to annual revis  | ion           | First Named Inventor Christian EVERS |                            |           | Christian EVERS  |  |  |  |  |
|  |               | Examiner Name                        |                            |           |  |  |  |  |  |
| Applicant claims small entity status. See 37 CFR 1.27  |               | Art Unit                             |                            |           |  |  |  |  |  |
| TOTAL AMOUNT OF PAYMENT (\$) 750.00  |               | Attorr                               |                            |           |  |  |  |  |  |
| METHOD OF PAYMENT (check all that apply)   |               | FEE CALCULATION (continued)          |                            |           |  |  |  |  |  |
| Check Credit card Money Other Nor  | е 3.          | 3. ADDITIONAL FEES                   |                            |           |  |  |  |  |  |
| Deposit Account:   |               | Large Entity   Small Entity          |                            |           |  |  |  |  |  |
| Deposit 03-0075  | Fee           |                                      | Fee Fee<br>Code (\$)       |           | Fee Description  | Fee Paid   |  |  |  |
| Number   | 105           | 1 130                                | 2051 6                     | 35 Surc   | charge - late filing fee or oath   |  |  |  |  |
| Deposit Caesar, Rivise, Bernstein, Cohen   | 105           | 2 50                                 | 2052 2                     |           | charge - late provisional filing fee or                                  |  |  |  |  |
| Name L& POROIIIOW, LIU.  | 105           | 3 130                                | 1053 13                    |           | er sheet<br>n-English specification                                      |  |  |  |  |
| The Commissioner is authorized to: (check all that apply)  Charge fee(s) indicated below  Credit any overpayment                               | 404           | 2 2 520                              |                            | -         | filing a request for ex parte reexamination                              |  |  |  |  |
|  | 180           | 4 -920*                              | 1804 92                    |           | uesting publication of SIR prior to                                      |  |  |  |  |
| Charge any additional fee(s) during the pendency of this applical  |               |                                      |                            | -         | miner action   | <del>                                     </del> |  |  |  |
| Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.  | 180           | 5 1,840*                             | 1805   1,84<br>            |           | questing publication of SIR after<br>aminer action                       |  |  |  |  |
| FEE CALCULATION  | 125           | 1 110                                | 2251 5                     | 55 Exte   | ension for reply within first month                                      |  |  |  |  |
| 1. BASIC FILING FEE  | 125           | 2 410                                | 2252 20                    | 05 Exte   | ension for reply within second month                                     |  |  |  |  |
| Large Entity Small Entity  | 125           | 3 930                                | 2253 40                    | 65 Exte   | ension for reply within third month                                      |  |  |  |  |
| Fee Fee Fee Fee Description Fee Paid   | 125           | 4 1,450                              | 2254 7                     | 25 Exte   | ension for reply within fourth month                                     |  |  |  |  |
| Code (\$) Code (\$) 1001 750 2001 375 Utility filing fee   | 125           | 5 1,970                              | 2255 9                     | 85 Exte   | ension for reply within fifth month                                      |  |  |  |  |
| 1001 750 2001 375 Utility liling fee 750.00  | 140           | 1 320                                | 2401 1                     | 160 Noti  | tice of Appeal   |  |  |  |  |
| 1003 520 2003 260 Plant filing fee   | 140           | 2 320                                |                            |           | ng a brief in support of an appeal                                       |  |  |  |  |
| 1004 750 2004 375 Reissue filing fee   | 140           | 3 280                                | İ                          |           | quest for oral hearing   |  |  |  |  |
| 1005 160 2005 80 Provisional filing fee  | 145           | 1 1,510                              | 1451 1,5                   | 510 Petit | ition to institute a public use proceeding                               |  |  |  |  |
| SUBTOTAL (1) (\$) 750.00   | 145           | 2 110                                | 2452                       | 55 Petil  | ition to revive - unavoidable  |  |  |  |  |
|  | 145           | 3 1,300                              | 2453 6                     | 50 Peti   | ition to revive - unintentional  |  |  |  |  |
| 2. EXTRA CLAIM FEES FOR UTILITY AND REISSU<br>Fee from   | E 150         | 1 1,300                              |                            |           | ity issue fee (or reissue)   |  |  |  |  |
| Ext <u>ra Claims below Fee Pa</u>  | <b>id</b> 150 | 2 470                                | 2502 2                     | 235 Des   | sign issue fee   |  |  |  |  |
| Total Claims 20 -20** = 0 x 18 = 0.00  | 150           | 3 630                                | 2503 3                     | 315 Plai  | int issue fee  |  |  |  |  |
| Claims   | 146           | 0 130                                | 1460 1                     | 130 Peti  | titions to the Commissioner  |  |  |  |  |
| Multiple Dependent =0.00   | -180          | 7 50                                 | 1807                       | 50 Pro    | ocessing fee under 37 CFR 1.17(q)  |  |  |  |  |
| Large Entity   Small Entity  | 180           | 6 180                                | 1806 1                     | 180 Sub   | omission of Information Disclosure Stmt                                  |  |  |  |  |
| Fee Fee Fee Fee <u>Fee Description</u> Code (\$) Code (\$)   | 802           | 1 40                                 | 8021                       | 40 Rec    | cording each patent assignment per                                       |  |  |  |  |
| 1202 18 2202 9 Claims in excess of 20  | 180           |                                      |                            |           | perty (times number of properties) ng a submission after final rejection | <del>  </del>                                    |  |  |  |
| 1201 84 2201 42 Independent claims in excess of 3  | 1 100         | . 130                                | 2000. 0                    |           | CFR 1.129(a))  |  |  |  |  |
| 1203 280 2203 140 Multiple dependent claim, if not pai   | 181           | 0 750                                | 2810 3                     |           | each additional invention to be  | ·   <b>   </b>                                   |  |  |  |
| 1204 84 2204 42 ** Reissue independent claims over original patent   | 180           | 1 750                                | 2801 3                     |           | mined (37 CFR 1.129(b)) equest for Continued Examination (RCE)           | ———I   |  |  |  |
| 1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent  | 180           |                                      |                            | 900 Re    | equest for expedited examination (RCE). a design application             |  |  |  |  |
| SUBTOTAL (2) (\$) 0.00   | Oth           | Other fee (specify)                  |                            |           |  |  |  |  |  |
| **or number previously paid, if greater; For Reissues, see above   | Basic Filing  | g Fee Pa                             | aid SUBTOTAL (3) (\$) 0.00 |           |  |  |  |  |  |
| (Complete (Familia))   |               |                                      |                            |           |  |  |  |  |  |

SUBMITTED BY Registration No. (215) 567-2010 David M. Tener Name (Print/Type) 37,054 Telephone (Attorney/Agent) Signature 06/24/2003

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This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.